

STN SEARCH

10/563,744

8/24/2009

***** STN Columbus *****

FILE 'HOME' ENTERED AT 15:34:18 ON 24 AUG 2009

=> index bioscience medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS	ENTRY	SESSION	SINCE FILE	TOTAL
FULL ESTIMATED COST		0.44		0.44

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 15:35:27 ON 24 AUG 2009

71 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> S ((sphingomyelin (w) synthase) or cholinephosphotransferase)

- 1 FILE ADISNEWS
- 41 FILE AGRICOLA
- 1 FILE ANTE
- 2 FILE AQUASCI
- 15 FILE BIOENG
- 523 FILE BIOSIS
- 9 FILE BIOTECHABS
- 9 FILE BIOTECHDS
- 171 FILE BIOTECHNO
- 53 FILE CABA
- 566 FILE CAPLUS
- 1 FILE CEABA-VTB
- 7 FILE CONFSCI
- 24 FILE DDFB
- 29 FILE DDFU
- 96 FILE DGENE
- 22 FILE DISSABS
- 24 FILE DRUGB
- 39 FILE DRUGU
- 4 FILE EMBAL
- 586 FILE EMBASE
- 156 FILE ESBIODBASE
- 2 FILE FSTA
- 182 FILE GENBANK
- 7 FILE IFIPAT
- 92 FILE LIFESCI
- 599 FILE MEDLINE
- 160 FILE PASCAL
- 3 FILE PROUSDDR
- 364 FILE SCISEARCH
- 374 FILE TOXCENTER
- 12 FILE USGENE
- 145 FILE USPATFULL
- 16 FILE USPAT2
- 11 FILE WPIDS
- 11 FILE WPINDEX
- 5 FILE NLDB

37 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX

L1 QUE ((SPHINGOMYELIN (W) SYNTHASE) OR CHOLINEPHOSPHOTRANSFERASE)

=> d rank

F1	599	MEDLINE
F2	586	EMBASE
F3	566	CAPLUS

F4	523	BIOSIS
F5	374	TOXCENTER
F6	364	SCISEARCH
F7	182	GENBANK
F8	171	BIOTECHNO
F9	160	PASCAL
F10	156	ESBIOBASE
F11	145	USPATFULL
F12	96	DGENE
F13	92	LIFESCI
F14	53	CABA
F15	41	AGRICOLA
F16	39	DRUGU
F17	29	DDFU
F18	24	DDFB
F19	24	DRUGB
F20	22	DISSABS
F21	16	USPAT2
F22	15	BIOENG
F23	12	USGENE
F24	11	WPIDS
F25	11	WPINDEX
F26	9	BIOTECHABS
F27	9	BIOTECHDS
F28	7	CONFSCI
F29	7	IFIPAT
F30	5	NLDB
F31	4	EMBAL
F32	3	PROUSDDR
F33	2	AQUASCI
F34	2	FSTA
F35	1	ADISNEWS
F36	1	ANTE
F37	1	CEABA-VTB

=> file f1-f6, f8-f11, f13, f24

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		1.36	1.80

FILE 'MEDLINE' ENTERED AT 15:36:44 ON 24 AUG 2009

FILE 'EMBASE' ENTERED AT 15:36:44 ON 24 AUG 2009

Copyright (c) 2009 Elsevier B.V. All rights reserved.

FILE 'CAPLUS' ENTERED AT 15:36:44 ON 24 AUG 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 15:36:44 ON 24 AUG 2009

Copyright (c) 2009 The Thomson Corporation

FILE 'TOXCENTER' ENTERED AT 15:36:44 ON 24 AUG 2009

COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'SCISEARCH' ENTERED AT 15:36:44 ON 24 AUG 2009

Copyright (c) 2009 The Thomson Corporation

FILE 'BIOTECHNO' ENTERED AT 15:36:44 ON 24 AUG 2009

COPYRIGHT (C) 2009 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'PASCAL' ENTERED AT 15:36:44 ON 24 AUG 2009

Any reproduction or dissemination in part or in full,

by means of any process and on any support whatsoever

is prohibited without the prior written agreement of INIST-CNRS.

COPYRIGHT (C) 2009 INIST-CNRS. All rights reserved.

FILE 'ESBIOBASE' ENTERED AT 15:36:44 ON 24 AUG 2009

COPYRIGHT (C) 2009 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'USPATFULL' ENTERED AT 15:36:44 ON 24 AUG 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'LIFESCI' ENTERED AT 15:36:44 ON 24 AUG 2009
COPYRIGHT (C) 2009 Cambridge Scientific Abstracts (CSA)

FILE 'WPIDS' ENTERED AT 15:36:44 ON 24 AUG 2009
COPYRIGHT (C) 2009 THOMSON REUTERS

=> S L1
L2 3747 L1

=> S (gene or sequence or polynucleotide) (s) L2
L3 272 (GENE OR SEQUENCE OR POLYNUCLEOTIDE) (S) L2

=> S express? (s) L3
L4 120 EXPRESS? (S) L3

=> S yeast and L4
L5 40 YEAST AND L4

=> S (deficient or inactive or disrupt?) and L5
L6 24 (DEFICIENT OR INACTIVE OR DISRUPT?) AND L5

=> S (inhibit? or SiRNA) and L6
L7 22 (INHIBIT? OR SIRNA) AND L6

=> dup rem L7
PROCESSING COMPLETED FOR L7
L8 22 DUP REM L7 (0 DUPLICATES REMOVED)

=> S (Holthuis or Huitema)/au
L9 215 (HOLTHUIS OR HUITEMA)/AU

=> S L9 and L8
L10 0 L9 AND L8

=> S L9 and L2
L11 1 L9 AND L2

=> d ibib abs L11

L11 ANSWER 1 OF 1 WPIDS COPYRIGHT 2009 THOMSON REUTERS on STN

ACCESSION NUMBER: 2005-091810 [10] WPIDS

DOC. NO. CPI: C2005-031022 [10]

TITLE: New polypeptides, such as cholinephosphotransferases and
ethanolaminephosphotransferases, comprising one or more
amino acid motifs, useful for treating cancer, metabolic
diseases or disease caused by parasites

DERWENT CLASS: B04; D16

INVENTOR: ***HOLTHUIS J*** ; ***HUITEMA K*** ; ***HUITEMA K***
*** R*** ; ***HOLTHUIS J C M***

PATENT ASSIGNEE: (HOLT-I) HOLTHUIS J C M; (UYUT-N) UNIV UTRECHT HOLDING BV

COUNTRY COUNT: 107

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2005003336	A2	20050113	(200510)*	EN	81[14]	
EP 1641922	A2	20060405	(200624)	EN		
US 20060205031	A1	20060914	(200661)	EN		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2005003336	A2	WO 2004-NL488	20040707

EP 1641922 A2	EP 2004-748714 20040707
EP 1641922 A2	WO 2004-NL488 20040707
US 20060205031 A1	WO 2004-NL488 20040707
US 20060205031 A1	US 2006-563744 20060602

FILING DETAILS:

PATENT NO	KIND	PATENT NO

EP 1641922	A2 Based on	WO 2005003336 A

PRIORITY APPLN. INFO: EP 2003-78932 20031218
 US 2003-485202P 20030707

AN 2005-091810 [10] WPIDS

AB WO 2005003336 A2 UPAB: 20050708

NOVELTY - An isolated polypeptide comprising one or more amino acid motifs selected from a sequence with at least 80% identity to (I), (II), or (III), is new.

DETAILED DESCRIPTION - A new isolated polypeptide comprises one or more amino acid motifs selected from a sequence with at least 80 % identity to (I), (II) or (III).

Pro-Leu-X-Asp-X(35,75)-Arg-Arg-X(8)-(TyrPhe)-X(2)-Arg-X(6)-Thr (I)

Cys-X-Asp-X(3)-Ser-Gly-His-Thr (II)

His-Tyr-(ThrSer)-X-Asp-(ValIle)-X(3)-(PheTyrIle)-X(6)-Phe-X(2)-Tyr-His (III)

INDEPENDENT CLAIMS are included for the following:

(1) a nucleotide sequence selected from the group consisting of a nucleotide sequence coding for I, II, III, and an antisense nucleotide sequence that is complementary to it;

(2) a plasmid comprising the nucleotide sequence;

(3) a vector comprising the nucleotide sequence;

(4) a microorganism or cell line in which the nucleotide sequence was introduced;

(5) a process for producing ***sphingomyelin***
 synthase comprising the expressing any one of the nucleotide sequences in the microorganism or cell line and isolating the
 sphingomyelin ***synthase*** ;

(6) a process for producing ethanolamine phosphorylceramide or ethanolamine phosphorylceramide synthase comprising expressing any one of the nucleotide sequence in the microorganism or cell line and isolating ethanolamine phosphorylceramide or ethanolamine phosphorylceramide synthase;

(7) a process for producing phosphatidyl:glycoprotein
 cholinephosphotransferase or phosphatidyl:glycolipid
 cholinephosphotransferase comprising expressing any one of the corresponding nucleotide sequences in the microorganism or cell line and isolating phosphatidyl:glycoprotein ***cholinephosphotransferase*** or phosphatidyl:glycolipid ***cholinephosphotransferase*** ;

(8) a process for producing phosphorylcholine-substituted glycoprotein or phosphorylcholine-substituted glycolipid comprising expressing any one of the corresponding nucleotide sequences in the microorganism or cell line and isolating phosphorylcholine-substituted glycoprotein or phosphorylcholine-substituted glycolipid;

(9) a process to isolate candidates for functional genes of a previously unidentified enzyme with known activity from a huge database by combining at least four characteristics based on data from bio-informatics and from biochemistry;

(10) determining whether a compound is capable of modulating an enzymatic activity displayed by a cell, the activity comprising an activity of an enzyme of the group of enzymes identified as sphingomyelin synthases, ethanolamine phosphorylceramide synthases, phosphatidylcholine:glycoprotein ***cholinephosphotransferase*** and phosphatidylcholine:glycolipid ***cholinephosphotransferase*** , the method comprising:

(a) providing the cell with a nucleic acid encoding the polypeptide;

(b) contacting the cell with the compound; and

(c) determining whether the enzymatic activity is modulated;

(11) a method for at least in part improving the yield of an secretion product of a cell comprising providing the cell with the

polypeptide, nucleic acid, its functional part, derivative or homolog; and
(12) targeting a first polypeptide to a different cellular compartment comprising providing a cytosolic part of the first polypeptide with a cellular compartment localization signal of a cytosolic part of a second polypeptide.

ACTIVITY - Cytostatic; Metabolic-Gen; Antiparasitic. No biological data given.

MECHANISM OF ACTION - Gene therapy;

Cholinephosphotransferase ; Ethanolaminephosphotransferase;

Sphingomyelin ***synthase*** inhibitor.

USE - The polypeptide and nucleotide sequences are useful in medicine, specifically for the manufacture of medicaments for treating a disease, such as cancer, metabolic diseases or disease caused by parasites. They are also useful in influencing equilibrium reactions, and to identify or develop compounds influencing those reactions. The nucleic acid is useful as a probe, for assessing whether a cell comprises

sphingomyelin ***synthase*** activity, and for enhancing cell survival and/or cell growth. The oligonucleotide specific for the nucleic acid sequence is useful for detecting the sequence. The inhibitor of ***sphingomyelin*** ***synthase*** is useful as a cell death promoter, the cell being a parasite or human cell (all claimed).

=> d ibib abs L8 1-22

L8 ANSWER 1 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2009:151689 USPATFULL <<LOGINID::20090824>>

TITLE: Compositions And Methods For Treatment, Research And Therapeutic Applications For Malaria

INVENTOR(S): Haldar, Kasturi, South Bend, IN, UNITED STATES

Tamez, Pamela, South Bend, IN, UNITED STATES

Bhattacharjee, Souvik, South Bend, IN, UNITED STATES

PATENT ASSIGNEE(S): NORTHWESTERN UNIVERSITY, Evanston, IL, UNITED STATES (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20090136529 A1 20090528

APPLICATION INFO.: US 2008-255902 A1 20081022 (12)

NUMBER DATE

PRIORITY INFORMATION: US 2007-981707P 20071022 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Casimir Jones, S.C., 440 Science Drive, Suite 203, Madison, WI, 53711, US

NUMBER OF CLAIMS: 14

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 18 Drawing Page(s)

LINE COUNT: 1753

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides anti-Plasmodium immunogenic compositions comprising EVP1 (PFD0495c) or an antigenic portion thereof, as well as methods of immunizing against malaria employing these compositions. In other embodiments, the present invention provides methods of identifying Plasmodium infection employing agents that bind to EVP1 or an antibody generated thereto.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2009:103487 USPATFULL <<LOGINID::20090824>>

TITLE: OPTIMIZED STRAINS OF YARROWIA LIPOLYTICA FOR HIGH EICOSAPENTAENOIC ACID PRODUCTION

INVENTOR(S): Xue, Zhixiong, Chadds Ford, PA, UNITED STATES

Yadav, Narendra S., Chadds Ford, PA, UNITED STATES

Zhu, Quinn Qun, West Chester, PA, UNITED STATES

PATENT ASSIGNEE(S): E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, DE, UNITED STATES (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20090093543 A1 20090409
APPLICATION INFO.: US 2008-244822 A1 20081003 (12)

NUMBER DATE

PRIORITY INFORMATION: US 2007-977177P 20071003 (60)
US 2007-977174P 20071003 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT
RECORDS CENTER, BARLEY MILL PLAZA 25/1122B, 4417
LANCASTER PIKE, WILMINGTON, DE, 19805, US
NUMBER OF CLAIMS: 46
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Page(s)
LINE COUNT: 5852

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Engineered strains of the oleaginous ***yeast*** *Yarrowia lipolytica* capable of producing greater than 50 weight percent of eicosapentaenoic acid ["EPA"], an .omega.-3 polyunsaturated fatty acid, in the total oil fraction are described. These strains over-express heterologous .DELTA.9 elongases, .DELTA.8 desaturases, .DELTA.5 desaturases, .DELTA.17 desaturases, .DELTA.12 desaturases and C.sub.16/18 elongases, and optionally over-express diacylglycerol cholinephosphotransferases. Preferred gene knockouts are also described. Production host cells, methods for producing EPA within said host cells, and products comprising EPA from the optimized *Yarrowia lipolytica* strains are claimed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2008:321587 USPATFULL <<LOGINID::20090824>>
TITLE: Enhancement of Hydroxy Fatty Acid Accumulation in
Oilseed Plants
INVENTOR(S): Browse, John A., Palouse, WA, UNITED STATES
Shockey, Jay M., Mandeville, LA, UNITED STATES
Burgal, Julie Jeannine, Davis, CA, UNITED STATES
PATENT ASSIGNEE(S): WASHINGTON STATE UNIVERSITY, Pullman, WA, UNITED STATES
(U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20080282427 A1 20081113
APPLICATION INFO.: US 2006-915146 A1 20060522 (11)
WO 2006-US19829 20060522
20080530 PCT 371 date

NUMBER DATE

PRIORITY INFORMATION: US 2005-683170P 20050520 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DAVIS WRIGHT TREMAINE, LLP/Seattle, 1201 Third Avenue,
Suite 2200, SEATTLE, WA, 98101-3045, US
NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Page(s)
LINE COUNT: 4815

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Particular aspects provide six novel *Ricinus communis* cDNA clones, including cloned sequences of: DGAT (RcDGAT1 and RcDGAT2); RcLPAT; LACS (RcLACS4), and PDAT (RcPDAT1A and RcPDAT1B). Additional aspects provide methods for substantially enhanced accumulation of hydroxy fatty acid (HFA) in transgenic plant tissue (e.g., seeds), comprising expression of particular novel sequences. For example, expression of RcDGAT2 or RcPDAT1 in castor hydroxylase-expressing *Arabidopsis* lines resulted in

substantially enhanced accumulation of hydroxy fatty acid (HFA) (e.g., to over 30%; a 50-70% increase in HFA accumulation) relative to the hydroxylase-only expressing parental lines. Further aspects provide methods to increase at least one of total lipid content, percent seed germination, and seed weight in transgenic plants, comprising expression of RcDGAT2 in castor hydroxylase-expressing plant lines. Yet further aspects provide methods for expressing and accumulating hydroxyl fatty acid in ***yeast*** (e.g., TAG biosynthesis from diricinolein), comprising expression of RcDGAT2 RcDGAT2 coding sequences in ***yeast***.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2008:290158 USPATFULL <<LOGINID::20090824>>
TITLE: MULTIZYMES AND THEIR USE IN MAKING POLYUNSATURATED
FATTY ACIDS
INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES
Kinney, Anthony J., Wilmington, DE, UNITED STATES
Ripp, Kevin G., Wilmington, DE, UNITED STATES
Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER	KIND	DATE

PATENT INFORMATION: US 20080254191 A1 20081016		
APPLICATION INFO.: US 2008-61738 A1 20080403 (12)		

NUMBER	DATE

PRIORITY INFORMATION: US 2007-909790P 20070403 (60)	
US 2008-27898P 20080212 (61)	
DOCUMENT TYPE: Utility	
FILE SEGMENT: APPLICATION	
LEGAL REPRESENTATIVE: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT	
RECORDS CENTER, BARLEY MILL PLAZA 25/1122B, 4417	
LANCASTER PIKE, WILMINGTON, DE, 19805, US	
NUMBER OF CLAIMS: 65	
EXEMPLARY CLAIM: 1	
NUMBER OF DRAWINGS: 81 Drawing Page(s)	
LINE COUNT: 9249	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Isolated nucleic acid fragments and recombinant constructs comprising such fragments encoding multizymes (i.e., single polypeptides having at least two independent and separable enzymatic activities) along with a method of making long-chain polyunsaturated fatty acids (PUFAs) using these multizymes in plants and oleaginous ***yeast*** are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2008:260104 USPATFULL <<LOGINID::20090824>>
TITLE: DIETARY SUPPLEMENT AND RELATED METHOD
INVENTOR(S): HUANG, Ruo G., Long Beach, CA, UNITED STATES
MISSLER, Stephen R., Grand Rapids, MI, UNITED STATES
LEMAY, Marc J.P., Long Beach, CA, UNITED STATES
KAHLER, Edward S., Anaheim, CA, UNITED STATES
PUSATERI, Donald J., Hemet, CA, UNITED STATES
ROH-SCHMIDT, Haeri, Stockton, CA, UNITED STATES
RAMAKRISHNAN, Shyam, La Habra, CA, UNITED STATES
PATENT ASSIGNEE(S): ACCESS BUSINESS GROUP INTERNATIONAL LLC, Ada, MI,
UNITED STATES (U.S. corporation)

NUMBER	KIND	DATE

PATENT INFORMATION: US 20080226744 A1 20080918		
APPLICATION INFO.: US 2008-59868 A1 20080331 (12)		
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2004-915784, filed		
on 11 Aug 2004, PENDING Continuation-in-part of Ser.		
No. US 2002-360789, filed on 7 May 2002, Pat. No. US		
6989161 Continuation-in-part of Ser. No. US		

2001-878377, filed on 12 Jun 2001, Pat. No. US 6511675

NUMBER	DATE

PRIORITY INFORMATION:	US 2000-210746P 20000612 (60)
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	WARNER, NORCROSS & JUDD, IN RE: ALTICOR INC., INTELLECTUAL PROPERTY GROUP, 111 LYON STREET, N. W. STE 900, GRAND RAPIDS, MI, 49503-2489, US
NUMBER OF CLAIMS:	16
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	10 Drawing Page(s)
LINE COUNT:	3222
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	

AB A composition including a unique combination of fruits, vegetables, herbs, and optionally vitamins, minerals and specialty ingredients. The composition can include a fruit ingredient, a vegetable ingredient and an herbal ingredient, wherein the fruit ingredient is at least one of pomegranate and citrus bioflavonoids, wherein the vegetable ingredient, is at least one of asparagus, lutein, lycopene and watercress, and wherein the herbal ingredient is at least one of basil, oregano and rosemary. The composition can be administered to subjects to correct a dietary deficiency of phytochemicals and other nutrients, improve plasma concentrations of antioxidant nutrients, and increase the activity of genetic mechanisms for DNA repair and stability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2007:256653 USPATFULL <<LOGINID::20090824>>
TITLE: Compositions and methods for the modifying hypoxia
induced gene regulation
INVENTOR(S): Nacht, Mariana, Belmont, MA, UNITED STATES
Jiang, Yide Alan, Newton, MA, UNITED STATES

NUMBER	KIND	DATE

PATENT INFORMATION:	US 20070224596	A1 20070927
APPLICATION INFO.:	US 2006-247103	A1 20060120 (11)

NUMBER	DATE

PRIORITY INFORMATION:	WO 2004-US11087 20040409
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	GENZYME CORPORATION, LEGAL DEPARTMENT, 15 PLEASANT ST CONNECTOR, FRAMINGHAM, MA, 01701-9322, US
NUMBER OF CLAIMS:	9
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	4 Drawing Page(s)
LINE COUNT:	15641
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	

AB This invention provides compositions and methods to identify candidate agents capable of altering the biological activity of a polypeptide encoded by a polynucleotide involved in hypoxia-related tumorigenesis. In one aspect, the biological activity is the induction of hypoxia-related gene enolase 2 or a biological equivalent thereof. In another aspect, the biological activity is the induction of a hypoxia-related gene, inducible in the absence of the von Hippel-Lindau tumor suppressor (VHL). In yet a further aspect, the biological activity is differential expression in a neoplastic cell under hypoxia. In an alternative aspect, the biological activity is induction of a gene that is inducible in the absence of VHL, but not hypoxia.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 7 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2006:274491 USPATFULL <<LOGINID::20090824>>
TITLE: BREAST CANCER PROGRESSION SIGNATURES

INVENTOR(S): Erlander, Mark G., Encinitas, CA, UNITED STATES
Ma, Xia-Jun, San Diego, CA, UNITED STATES
Sgroi, Dennis C., Winchester, MA, UNITED STATES
PATENT ASSIGNEE(S): AviaraDx, Inc., Carlsbad, CA, UNITED STATES (U.S.
corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20060234287 A1 20061019
APPLICATION INFO.: US 2006-426572 A1 20060626 (11)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-28018, filed on 21 Dec
2001, ABANDONED
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO
CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834, US
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 26 Drawing Page(s)
LINE COUNT: 5490
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods and compositions for the identification of breast cancer
progression signatures are provided. The signature profiles are
identified based upon multiple sampling of reference breast tissue
samples from independent cases of breast cancer and provide a reliable
set of molecular criteria for identification of cells as being in one or
more particular stages of breast cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 8 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2006:240586 USPATFULL <<LOGINID::20090824>>
TITLE: Newly identified cholinephosphotransferases and
ethanolaminephosphotransferases
INVENTOR(S): Holthuis, Josephus Carolus Maria, Amsterdam,
NETHERLANDS
Huitema, Klasina Rinsje, Waspik, NETHERLANDS
PATENT ASSIGNEE(S): 1) Universiteit Utrecht Holding B.V. (non-U.S.
corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20060205031 A1 20060914
APPLICATION INFO.: US 2004-563744 A1 20040707 (10)
WO 2004-NL488 20040707
20060602 PCT 371 date

NUMBER DATE

PRIORITY INFORMATION: US 2003-60485202 20030707
EP 2003-789325 20031218
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP, 300 S. WACKER
DRIVE, 32ND FLOOR, CHICAGO, IL, 60606, US
NUMBER OF CLAIMS: 63
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 1781
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to polypeptides comprising one or more of
the amino acid motifs selected from the group consisting of a sequence
with at least 80% identity to any of (a)
P-L-X-D-X(35,75)-R-R-X(8)-[YF]-X(2)-R-X(6)-T (b) C-X-D-X(3)-S-G-H-T (c)
H-Y-[TS]-X-D-[VI]-X(3)-[FYI]-X(6)-F-X(2)-Y-H, which transfer
phosphocholine and phosphoethanolamine, nucleotide sequences coding for
any of these polypeptides and nucleotide sequences complementary
thereto, plasmids, vectors and a (micro)organism or cell comprising said
nucleotide sequences. Furthermore, the present invention relates to
processes to produce cholinephosphotransferases and

ethanolaminephosphotransferases like sphingomyelin synthase, ethanolamine phosphorylceramide synthase, phosphatidylcholine:glycoprotein cholinephosphotransferase and phosphatidylcholine:glycolipid cholinephosphotransferase. The present invention also provides the application of said nucleotide sequences to influence the equilibrium reactions or to develop compounds influencing the equilibrium reactions wherein said transferases are involved and the application of said compounds in medical use. Finally, a process has been provided to isolate candidates for functional genes of a previously unidentified enzyme from a large database by isolating candidates for functional genes of a previously unidentified

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 9 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2006:137303 USPATFULL <<LOGINID::20090824>>

TITLE: High eicosapentaenoic acid producing strains of

Yarrowia lipolytica

INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES

Gillies, Peter John, Landenberg, PA, UNITED STATES

Macool, Daniel Joseph, Philadelphia, PA, UNITED STATES

Picataggio, Stephen K., Landenberg, PA, UNITED STATES

Pollak, Dana M. Walters, Media, PA, UNITED STATES

Ragghianti, James John, Bear, DE, UNITED STATES

Xue, Zhixiong, Chadds Ford, PA, UNITED STATES

Yadav, Narendra S., Chadds Ford, PA, UNITED STATES

Zhang, Hongxiang, Chadds Ford, PA, UNITED STATES

Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20060115881 A1 20060601

APPLICATION INFO.: US 2005-265761 A1 20051102 (11)

NUMBER DATE

PRIORITY INFORMATION: US 2004-624812P 20041104 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT

RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417

LANCASTER PIKE, WILMINGTON, DE, 19805, US

NUMBER OF CLAIMS: 53

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 40 Drawing Page(s)

LINE COUNT: 9151

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Engineered strains of the oleaginous ***yeast*** Yarrowia lipolytica capable of producing greater than 25% eicosapentaenoic acid (EPA, an .omega.-3 polyunsaturated fatty acid) in the total oil fraction are described. These strains comprise various chimeric genes expressing heterologous desaturases, elongases and acyltransferases and optionally comprise various native desaturase and acyltransferase knockouts to enable synthesis and high accumulation of EPA. Production host cells are claimed, as are methods for producing EPA within said host cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2006:131166 USPATFULL <<LOGINID::20090824>>

TITLE: Docosahexaenoic acid producing strains of Yarrowia

lipolytica

INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES

Gillies, Peter John, Landenberg, PA, UNITED STATES

Macool, Daniel Joseph, Philadelphia, PA, UNITED STATES

Picataggio, Stephen K., Landenberg, PA, UNITED STATES

Ragghianti, James John, Bear, DE, UNITED STATES

Seip, John E., Alloway, NJ, UNITED STATES

Xue, Zhixiong, Chadds Ford, PA, UNITED STATES

Yadav, Narendra S., Chadds Ford, PA, UNITED STATES

Zhang, Hongxiang, Chadds Ford, PA, UNITED STATES
Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20060110806 A1 20060525
 US 7550286 B2 20090623
APPLICATION INFO.: US 2005-264737 A1 20051101 (11)

NUMBER DATE

PRIORITY INFORMATION: US 2004-624812P 20041104 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT
 RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417
 LANCASTER PIKE, WILMINGTON, DE, 19805, US
NUMBER OF CLAIMS: 46
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 22 Drawing Page(s)
LINE COUNT: 8938
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An engineered strain of the oleaginous ***yeast*** *Yarrowia*
 lipolytica capable of producing greater than 5.6% docosahexaenoic acid
 (DHA, an w-3 polyunsaturated fatty acid) in the total oil fraction
 is described. This strain comprises various chimeric genes expressing
 heterologous desaturases, elongases and acyltransferases and optionally
 comprises various native desaturase and acyltransferase knockouts to
 enable synthesis and high accumulation of DHA. Production host cells are
 claimed, as are methods for producing DHA within said host cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2006:111148 USPATFULL <<LOGINID::20090824>>
TITLE: High arachidonic acid producing strains of *Yarrowia*
 lipolytica

INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES
 Gillies, Peter John, Landenberg, PA, UNITED STATES
 Macoool, Daniel Joseph, Philadelphia, PA, UNITED STATES
 Picataggio, Stephen K., Landenberg, PA, UNITED STATES
 Pollak, Dana M. Walters, Media, PA, UNITED STATES
 Ragghianti, James John, Bear, DE, UNITED STATES
 Xue, Zhixiong, Chadds Ford, PA, UNITED STATES
 Yadav, Narendra S., Chadds Ford, PA, UNITED STATES
 Zhang, Hongxiang, Chadds Ford, PA, UNITED STATES
 Zhu, Quinn Qun, West Chester, PA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20060094092 A1 20060504
APPLICATION INFO.: US 2005-264784 A1 20051101 (11)

NUMBER DATE

PRIORITY INFORMATION: US 2004-624812P 20041104 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT
 RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417
 LANCASTER PIKE, WILMINGTON, DE, 19805, US
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 7601
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Engineered strains of the oleaginous ***yeast*** *Yarrowia lipolytica*
 capable of producing greater than 10% arachidonic acid (ARA, an
 .omega.-6 polyunsaturated fatty acid) in the total oil fraction are
 described. These strains comprise various chimeric genes expressing

heterologous desaturases, elongases and acyltransferases, and optionally comprise various native desaturase and acyltransferase knockouts to enable synthesis and high accumulation of ARA. Production host cells are claimed, as are methods for producing ARA within said host cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 12 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2006:106112 USPATFULL <<LOGINID::20090824>>

TITLE: Diacylglycerol acyltransferase gene from plants

INVENTOR(S): Zou, Jitao, Saskatoon, CANADA

Taylor, David C., Saskatoon, CANADA

Wei, Yangdou, Saskatoon, CANADA

Jako, Colette C., Saskatoon, CANADA

PATENT ASSIGNEE(S): National Research Council of Canada, Ottawa, CANADA
(non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20060090222 A1 20060427

US 7355097 B2 20080408

APPLICATION INFO.: US 2005-317983 A1 20051223 (11)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2005-117005, filed on 28

Apr 2005, PENDING Continuation of Ser. No. US

2001-623514, filed on 29 Mar 2001, PENDING A 371 of

International Ser. No. WO 1999-CA1202, filed on 16 Dec

1999

NUMBER DATE

PRIORITY INFORMATION: US 1998-112812P 19981217 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: TRASK BRITT, P.O. BOX 2550, SALT LAKE CITY, UT, 84110,
US

NUMBER OF CLAIMS: 18

EXEMPLARY CLAIM: 1-50

NUMBER OF DRAWINGS: 10 Drawing Page(s)

LINE COUNT: 2463

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the isolation, purification, characterization and use of the plant diacylglycerol acyltransferase (DGAT) gene and genetic products. The invention includes isolated and purified DGAT DNA and relates to methods of regulating seed oil content, the ratio of diacylglycerol/triacylglycerol proportions in the seed oil, fatty acid synthesis, seed oil acyl composition, seed size/weight and carbon flux into other seed components, using the gene, and to tissues and plants transformed with the gene. The invention also relates to transgenic plants, plant tissues and plant seeds having a genome containing an introduced DNA sequence of the invention, and a method of producing such plants and plant seeds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 13 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2006:28624 USPATFULL <<LOGINID::20090824>>

TITLE: Alkylammonium compounds as antifungal and
antitrypanosomal agents

INVENTOR(S): Mamoun, Choukri B., Farmington, CT, UNITED STATES

PATENT ASSIGNEE(S): University of Connecticut (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20060025458 A1 20060202

APPLICATION INFO.: US 2005-186658 A1 20050721 (11)

NUMBER DATE

PRIORITY INFORMATION: US 2004-592551P 20040730 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: EDWARDS & ANGELL, LLP, P.O. BOX 55874, BOSTON, MA,
02205, US

NUMBER OF CLAIMS: 26
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Page(s)
LINE COUNT: 1984

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The use of alkyl quaternary ammonium compounds including certain choline analogs for treating or preventing fungal and trypanosomal (e.g., Leishmaniasis) infections is described. These compounds, characterized as mono- and bis-alkyl ammonium compounds, were demonstrated to be highly effective in ***inhibiting*** growth of *Candida albicans*, *Saccharomyces cerevisiae* and *Leishmania major*. Quaternary ammonium compounds were previously known as effective antimalarial compounds in vivo but not recognized as antifungals or as anti-trypanosomals (e.g., anti-Leishmanials).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 14 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2006:70206 USPATFULL <<LOGINID::20090824>>
TITLE: Diacylglycerol acyltransferase gene from plants
INVENTOR(S): Zou, Jitao, Saskatoon, CANADA
Taylor, David C., Saskatoon, CANADA
Wei, Yangdou, Saskatoon, CANADA
Jako, Colette, Saskatoon, CANADA
PATENT ASSIGNEE(S): National Research Council of Canada, Ottawa, CANADA
(non-U.S. corporation)

	NUMBER	KIND	DATE

PATENT INFORMATION:	US 7015373	B1	20060321
	WO 2000036114		20000622
APPLICATION INFO.:	US 1999-623514		19991216 (9)
	WO 1999-CA1202		19991216
			20010329 PCT 371 date

	NUMBER	DATE

PRIORITY INFORMATION:	US 1998-112812P	19981217 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	McElwain, Elizabeth	
ASSISTANT EXAMINER:	Baum, Stuart F.	
LEGAL REPRESENTATIVE:	TraskBritt	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	2,11	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 10 Drawing Page(s)	
LINE COUNT:	2341	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the isolation, purification, characterization and use of the plant diacylglycerol acyltransferase, DGAT, gene and associated gene products. The invention includes isolated and purified DGAT cDNA (SEQ ID NO: 1) and a plant diacylglycerol acyltransferase gene (SEQ ID NO: 3) and homologues thereof from the Brassicaceae, such as *Arabidopsis thaliana*. Methods of using the DGAT DNA to regulate seed oil content, the ratio of diacylglycerol/triacylglycerol proportions in the seed oil, fatty acid synthesis, seed oil acyl composition, seed size/weight and carbon flux into other seed components are also included. Methods of producing transgenic plants, plant tissues and plant seeds having genomes including DGAT genes, and the resultant transgenic plants, plant tissues and plant seeds are also included.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 15 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2005:222707 USPATFULL <<LOGINID::20090824>>
TITLE: Diacylglycerol acyltransferase gene from plants

INVENTOR(S): Zou, Jitao, Saskatoon, CANADA
Taylor, David C., Saskatoon, CANADA
Wei, Yangdou, Saskatoon, CANADA
Jako, Colette C., Saskatoon, CANADA

NUMBER KIND DATE

PATENT INFORMATION: US 20050193446 A1 20050901
US 7511189 B2 20090331
APPLICATION INFO.: US 2005-117005 A1 20050428 (11)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-623514, filed on 29
Mar 2001, PENDING A 371 of International Ser. No. WO
1999-CA1202, filed on 16 Dec 1999

NUMBER DATE

PRIORITY INFORMATION: US 1998-112812P 19981217 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TRASK BRITT, P.O. BOX 2550, SALT LAKE CITY, UT, 84110,
US
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Page(s)
LINE COUNT: 2415

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the isolation, purification,
characterization and use of the plant diacylglycerol acyltransferase
(DGAT) gene and genetic products. The invention includes isolated and
purified DGAT DNA and relates to methods of regulating seed oil content,
the ratio of diacylglycerol/triacylglycerol proportions in the seed oil,
fatty acid synthesis, seed oil acyl composition, seed size/weight and
carbon flux into other seed components, using the gene, and to tissues
and plants transformed with the gene. The invention also relates to
transgenic plants, plant tissues and plant seeds having a genome
containing an introduced DNA sequence of the invention, and a method of
producing such plants and plant seeds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 16 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2005:111528 USPATFULL <<LOGINID::20090824>>
TITLE: Breast cancer signatures
INVENTOR(S): Erlander, Mark, Encinitas, CA, UNITED STATES
Ma, Xiao-Jun, San Diego, CA, UNITED STATES
Wang, Wei, San Marcos, CA, UNITED STATES
Wittliff, James L., Louisville, KY, UNITED STATES
PATENT ASSIGNEE(S): Arcturus Bioscience, Inc. University of Louisville
(U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20050095607 A1 20050505
APPLICATION INFO.: US 2004-795092 A1 20040305 (10)

NUMBER DATE

PRIORITY INFORMATION: US 2003-453006P 20030307 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO
CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834, US
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1-7
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 3176

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the identification and use of gene expression
profiles, or patterns, suitable for identification of breast cancer
patient populations with different survival outcomes. The gene

expression profiles may be embodied in nucleic acid expression, protein expression, or other expression formats, and may be used in the study and/or determination of the prognosis of a patient, including breast cancer survival.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 17 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2004:301266 USPATFULL <<LOGINID::20090824>>

TITLE: Method of increasing yield in a plant and genes useful therefor

INVENTOR(S): Cheikh, Nordine, Davis, CA, UNITED STATES
Fisher, Dane, Richfield, NC, UNITED STATES
Thompson, Rebecca, St. Charles, MO, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20040237138 A1 20041125
US 7423203 B2 20080909
APPLICATION INFO.: US 2004-841796 A1 20040507 (10)

NUMBER DATE

PRIORITY INFORMATION: US 2003-468518P 20030507 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MONSANTO COMPANY, 800 N. LINDBERGH BLVD., ATTENTION:
G.P. WUELLNER, IP PARALEGAL, (E2NA), ST. LOUIS, MO,
63167
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 15 Drawing Page(s)
LINE COUNT: 4059
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of changing the activity of hexokinases in a plant sink comprising introducing into the plant a gene encoding a fungal hexokinase. In the method, the gene is expressed in the plant seed tissue to produce the protein, thereby changing characteristics of hexokinase activity in the seed of the plant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 18 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2004:101093 USPATFULL <<LOGINID::20090824>>

TITLE: Methods of diagnosis of bladder cancer, compositions and methods of screening for modulators of bladder cancer

INVENTOR(S): Mack, David H., Menlo Park, CA, UNITED STATES
Aziz, Natasha, Palo Alto, CA, UNITED STATES
PATENT ASSIGNEE(S): Eos Biotechnology, Inc., South San Francisco, CA, UNITED STATES, 94080-7019 (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 20040076955 A1 20040422
APPLICATION INFO.: US 2002-188832 A1 20020702 (10)

NUMBER DATE

PRIORITY INFORMATION: US 2002-372246P 20020412 (60)
US 2001-350666P 20011113 (60)
US 2001-343705P 20011108 (60)
US 2001-310099P 20010803 (60)
US 2001-302814P 20010703 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HOWREY SIMON ARNOLD & WHITE, LLP, BOX 34, 301 RAVENSWOOD AVE., MENLO PARK, CA, 94025
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1

LINE COUNT: 27357

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described herein are genes whose expression are up-regulated or down-regulated in bladder cancer. Also described are such genes whose expression is further up-regulated or down-regulated in drug-resistant bladder cancer cells. Related methods and compositions that can be used for diagnosis, prognosis, or treatment of bladder cancer are disclosed. Also described herein are methods that can be used to identify modulators of bladder cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 19 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2004:2047 USPATFULL <<LOGINID::20090824>>

TITLE: Breast cancer progression signatures

INVENTOR(S): Erlander, Mark G., Encinitas, CA, UNITED STATES

Ma, Xia-Jun, San Diego, CA, UNITED STATES

Sgroi, Dennis C., Winchester, MA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20040002067 A1 20040101

APPLICATION INFO.: US 2001-28018 A1 20011221 (10)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: MORRISON & FOERSTER LLP, 3811 VALLEY CENTRE DRIVE,
SUITE 500, SAN DIEGO, CA, 92130-2332

NUMBER OF CLAIMS: 29

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 26 Drawing Page(s)

LINE COUNT: 5596

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and compositions for the identification of breast cancer progression signatures are provided. The signature profiles are identified based upon multiple sampling of reference breast tissue samples from independent cases of breast cancer and provide a reliable set of molecular criteria for identification of cells as being in one or more particular stages of breast cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 20 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2004:4504 USPATFULL <<LOGINID::20090824>>

TITLE: Tumor necrosis factor receptor 2

INVENTOR(S): Stanton, Jr., Vincent P., Belmont, MA, United States

PATENT ASSIGNEE(S): Nuvelo, Inc., Sunnyvale, CA, United States (U.S.
corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6673908 B1 20040106

APPLICATION INFO.: US 2001-968455 20011001 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 2000-649035, filed on 25 Aug
2000 Continuation-in-part of Ser. No. US 2000-590749,
filed on 8 Jun 2000, now abandoned Continuation-in-part
of Ser. No. US 2000-495780, filed on 1 Feb 2000, now
abandoned Continuation-in-part of Ser. No. US
2000-492712, filed on 27 Jan 2000, now abandoned
Continuation-in-part of Ser. No. WO 2000-US1392, filed
on 20 Jan 2000 Continuation-in-part of Ser. No. US
968455 Continuation-in-part of Ser. No. US 1999-451252,
filed on 29 Nov 1999, now abandoned
Continuation-in-part of Ser. No. US 1999-427835, filed
on 26 Oct 1999, now abandoned Continuation-in-part of
Ser. No. US 1999-414330, filed on 6 Oct 1999, now
abandoned Continuation-in-part of Ser. No. US
1999-389993, filed on 3 Sep 1999, now abandoned
Continuation-in-part of Ser. No. US 1999-370841, filed
on 9 Aug 1999, now abandoned Continuation-in-part of
Ser. No. US 1999-300747, filed on 26 Apr 1999, now

abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-131334P	19990426 (60)
	US 1999-131191P	19990426 (60)
	US 1999-121047P	19990222 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Benzion, Gary
ASSISTANT EXAMINER: Chakrabarti, Arun Kr.
LEGAL REPRESENTATIVE: Fish & Richardson P.C.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 17463

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present disclosure describes the use of genetic variance information for genes involved in inflammatory or immunologic disease, disorder, or dysfunction. The variance information is indicative of the expected response of a patient to a method of treatment. Methods of determining relevant variance information and additional methods of using such variance information are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 21 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2002:238851 USPATFULL <<LOGINID::20090824>>
TITLE: Cloning of human choline ethanolaminephospho
transferases synthesis of phosphatidyl choline
phosphatidyle thanolamine and platelet activating
factor
INVENTOR(S): McMaster, Christopher, Nova Scotia, CANADA
Henneberry, Anette, Nova Scotia, CANADA
PATENT ASSIGNEE(S): Dalhousie University, Halifax, United States (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6451568	B1	20020917
	WO 9964605		19991216
APPLICATION INFO.:	US 2000-719083		20001208 (9)
	WO 1999-CA513		19990607
			20001208 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-88379P	19980608 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Nashed, Nashaat T.	
LEGAL REPRESENTATIVE:	Williams, Michael R., Battison, Adrian D., Dupuis, Ryan W.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)	
LINE COUNT:	866	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB We report the first cloning and expression, from a mammalian source, of proteins capable of catalyzing choline- and ethanolaminephosphotransferase reactions (hCEPT1 and hCEPT2). Both coding regions predict highly hydrophobic proteins of 43-46.5 kDa with several predicted membrane spanning domains. A CDP-alcohol phosphotransferase motif, DG(x)2AR(x)8G(x)3D(x)3D, has been identified in both hCEPT1 and hCEPT2 choline- and ethanolamine-phosphotransferases (and several other lipid synthesizing enzymes that catalyze the formation of a phosphoester bond by the displacement of CMP from a CDP-alcohol by a second alcohol). Site-directed mutagenesis was used to differentiate the residues responsible for choline- versus ethanolamine-phosphotransferase activity. Mutation of glycine 156 of

hCEPT1 abolished ethanolaminephosphotransferase activity, while
cholinephosphotransferase activity remained intact.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 22 OF 22 USPATFULL on STN

ACCESSION NUMBER: 97:112599 USPATFULL <<LOGINID::20090824>>

TITLE: Triplex-forming antisense oligonucleotides having
abasic linkers targeting nucleic acids comprising mixed
sequences of purines and pyrimidines

INVENTOR(S): Kandimalla, Ekambar, Worcester, MA, United States

Agrawal, Sudhir, Shrewsbury, MA, United States

PATENT ASSIGNEE(S): Hybridon Incorporated, Cambridge, MA, United States
(U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5693773 19971202

APPLICATION INFO.: US 1995-473096 19950607 (8)

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Jones, W. Gary

ASSISTANT EXAMINER: Rees, Dianne

LEGAL REPRESENTATIVE: McDonnell Boehnen Hulbert & Berghoff

NUMBER OF CLAIMS: 14

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 21 Drawing Figure(s); 12 Drawing Page(s)

LINE COUNT: 1441

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a novel class of antisense
oligonucleotides capable of hybridizing to and ***inhibiting***
expression of nucleic acids having mixed purine/pyrimidine sequences by
triplex formation. The foldback triplex-forming oligonucleotides (FTFOs)
of the invention are comprised of three regions, a duplex-forming
region, which is sufficiently complementary to a region of the target
nucleic acid to hybridizes to it under the conditions of interest, a
triplex-forming region, which is an inverted repeat of the
duplex-forming region and folds back upon the duplex formed between the
duplex-forming region and the target nucleic acid to form a triplex, and
a linker region, which connects the duplex-forming region and the
triplex-forming region and allows formation of the triplex. A novel
aspect of the FTFOs of the present invention is that from one to five
abasic linkers substitute for nucleotides in the triplex-forming region
and are positioned to match up with pyrimidine residues of the target
when a triplex is formed. This allows the FTFOs of the present invention
to target nucleic acid sequences having mixed purine/pyrimidine
sequences. FTFOs according to the invention are useful for both in vitro
and in vivo modulation of gene expression.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> D his

(FILE 'HOME' ENTERED AT 15:34:18 ON 24 AUG 2009)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 15:35:27 ON 24 AUG 2009

SEA ((SPHINGOMYELIN (W) SYNTHASE) OR CHOLINEPHOSPHOTRANSFERASE)

1 FILE ADISNEWS
41 FILE AGRICOLA
1 FILE ANTE
2 FILE AQUASCI
15 FILE BIOENG
523 FILE BIOSIS
9 FILE BIOTECHABS
9 FILE BIOTECHDS

171 FILE BIOTECHNO
 53 FILE CABA
 566 FILE CAPLUS
 1 FILE CEABA-VTB
 7 FILE CONFSCI
 24 FILE DDFB
 29 FILE DDFU
 96 FILE DGENE
 22 FILE DISSABS
 24 FILE DRUGB
 39 FILE DRUGU
 4 FILE EMBAL
 586 FILE EMBASE
 156 FILE ESBIODBASE
 2 FILE FSTA
 182 FILE GENBANK
 7 FILE IFIPAT
 92 FILE LIFESCI
 599 FILE MEDLINE
 160 FILE PASCAL
 3 FILE PROUSDDR
 364 FILE SCISEARCH
 374 FILE TOXCENTER
 12 FILE USGENE
 145 FILE USPATFULL
 16 FILE USPAT2
 11 FILE WPIDS
 11 FILE WPINDEX
 5 FILE NLDB
 L1 QUE ((SPHINGOMYELIN (W) SYNTHASE) OR CHOLINEPHOSPHOTRANSFERASE)

FILE 'MEDLINE, EMBASE, CAPLUS, BIOSIS, TOXCENTER, SCISEARCH, BIOTECHNO,
 PASCAL, ESBIODBASE, USPATFULL, LIFESCI, WPIDS' ENTERED AT 15:36:44 ON 24
 AUG 2009

L2 3747 S L1
 L3 272 S (GENE OR SEQUENCE OR POLYNUCLEOTIDE) (S) L2
 L4 120 S EXPRESS? (S) L3
 L5 40 S YEAST AND L4
 L6 24 S (DEFICIENT OR INACTIVE OR DISRUPT?) AND L5
 L7 22 S (INHIBIT? OR SIRNA) AND L6
 L8 22 DUP REM L7 (0 DUPLICATES REMOVED)
 L9 215 S (HOLTHUIS OR HUTTEMA)/AU
 L10 0 S L9 AND L8
 L11 1 S L9 AND L2

=> log y

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		108.40	110.20

STN INTERNATIONAL LOGOFF AT 15:41:49 ON 24 AUG 2009